APPENDIX 1

```
<filter>
  <class>import</class>
  <name id=fid1>CREPatentLoader</name>
  <controls>
     <textbox id=fid1_tb1 actionid=fid1_ac1>
        <size>20</size>
        <UIConstraints visible=true enabled=true />
     </textbox>
     <button id=fid1_b1 actionid=fid1_ac1>
        <size>50</size>
        <UIConstraints visible=true enabled=true />
     </button>
   </controls>
</filter>
```

APPENDIX 2

```
<filter>
  <class>processing</class>
  <name id=fid2>ColourChooser</name>
  <controls>
    <colorpicker id=fid2_cp1 actionid=fid2_ac1>
      <size>50</size>
      <colour r=255 g=0 b=0 />
      <UIConstraints visible=true enabled=true />
    </colourpicker>
  </controls>
</filter>
```

APPENDIX 3

```
<filter>
  <class>processing</class>
  <name id=fid2>ColourChooser</name>
  <controls>
     <colorpicker id=fid2_cp1 actionid=fid2_ac1>
        <size>50</size>
        <colour r=255 g=0 b=0 />
        <UIConstraints visible=true enabled=false />
     </colourpicker>
   </controls>
</filter>
<filter>
  <class>processing</class>
  <name id=fid3>BlackAndWhite</name>
  <controls>
     <checkbox id=fid3_cb1 actionid=fid3_ac1 >
        <selected status=true />
        <label>Affect previous colour filters?</label>
        <UIConstraints visible=true enabled=true />
     </checkbox>
   </controls>
</filter>
```

APPENDIX 4

```
<filter>
  <class>import</class>
  <name id=fid1>CREPatentLoader</name>
  <controls>
    <toolbarElement id=tb1 elementid=tb1_fid1 />
      <popup>
        <textbox id=fid1_tb1 actionid=fid1_ac1>
          <size>20</size>
          <UIConstraints visible=true enabled=true />
        </textbox>
        <button id=fid1_b1 actionid=fid1_ac1>
          <size>50</size>
          <UIConstraints visible=true enabled=true />
        </button>
      </popup>
    </toolbarElement>
  </controls>
</filter>
<filter>
  <class>processing</class>
  <name id=fid2>ColourChooser</name>
  <controls>
    <toolbarElement id=tb1 elementid=tb1_fid2 />
      <popup>
        <colorpicker id=fid2_cp1 actionid=fid2_ac1>
          <size>50</size>
          <colour r=255 g=0 b=0 />
          <UIConstraints visible=true enabled=false />
        </colourpicker>
      </popup>
    </toolbarElement>
  </controls>
</filter>


<filter>
  <class>processing</class>
  <name id=fid3>BlackAndWhite</name>
  <controls>
    <toolbarElement id=tb1 elementid=tb1_fid3 />
      <popup>
        <checkbox id=fid3_cb1 actionid=fid3_ac1 >
          <selected status=true />
          <label>Affect previous colour filters?</label>
          <UIConstraints visible=true enabled=true />
        </checkbox>
      </popup>
    </toolbarElement>
  </controls>
</filter>
<filter>
<filter>
  <class>export</class>
  <name id=fid4>Display</name>
  <controls />
</filter>
```

APPENDIX 4 continued

```
<filter>
  <class>userinterface</class>
  <name id=fid5>MakeToolbar</name>
  <controls>
    <checkbox id=fid5_cb1 actionid=fid5_ac1 >
      <selected status=true />
      <label>CREPatentLoader</label>
      <UIConstraints visible=true enabled=true />
    </checkbox>
    <checkbox id=fid5_cb2 actionid=fid5_ac2 >
      <selected status=true />
      <label>ColourChooser</label>
      <UIConstraints visible=true enabled=true />
    </checkbox>
    <checkbox id=fid5_cb3 actionid=fid5_ac3 >
      <selected status=true />
      <label>BlackAndWhite</label>
      <UIConstraints visible=true enabled=true />
    </checkbox>
    <checkbox id=fid5_cb4 actionid=fid5_ac4 >
      <selected status=false />
      <label>Display</label>
      <UIConstraints visible=true enabled=true />
    </checkbox>
  </controls>
  <toolbar id=tb1>
    <size>100</size>
    <UIConstraints visible=true enabled=true />
  </toolbar>
</filter>
```

APPENDIX 5

```
<filterstack>

  .
  .

  .

    <filter>
      <class>userinterface</class>
      <name id=fid6>AddDataControls</name>
      <controls>
        <checkbox id=fid6_cb1 group=g1 actionid=fid6_ac1 >
          <selected status=true />
          <label>Apply to each data element</label>
          <UIConstraints visible=true enabled=true />
        <checkbox id=fid6_cb1 group=g1 actionid=fid6_ac2 >
          <selected status=false />
          <label>Apply to data set</label>
          <UIConstraints visible=true enabled=true />
        </checkbox>
        <combobox id=fid6_comb1>
          <label>Select control type to add</label>
          <selected element=1 />
          <elements>
            <element>Button</element>
            <element>Menu</element>
            <element>CheckBox</element>
          </elements>
          <UIConstraints visible=true enabled=true />
        </combobox>
        <combobox id=fid6_comb2>

<label>Select action control will perform</label>
          <selected element=2 />
          <elements>
            <element>Save</element>
            <element>Print</element>
            <element>DataHelp</element>
            <element>GrepFilter</element>
            <element>ColourChooserFilter</element>
            <element>Edit</element>
          </elements>
          <UIConstraints visible=true enabled=true />
        </combobox>
      </controls>
      <AddControls>

    </filter>
    .
    .

    .

</filterstack>
```

APPENDIX 5 continued

```
<outputwindow>
  <ui id=datacontrol_fid6 method=eachdataelement>
    <source>fid6</source>
    <controls>
      <button id=but actionid=ac>
        <size>dataelementwidth</size>
        <location>top</location>
        <UIConstraints visible=true enabled=true />
      </button>
    </controls>
  </ui>
</outputwindow>
```
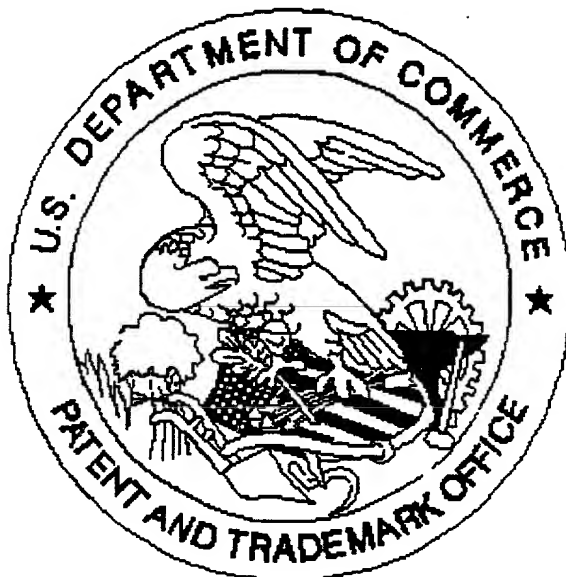
APPENDIX 6

```
<dataelement>
  <controls />
  <icon>
    <Rectangle w=10 h=10 />
  </icon>
</dataelement>
```

APPENDIX 7

```
<outputwindow>
  <dataelement>
    <controls>
      <button id=but actionid=ac>
        <source>fid6</source>
        <size>dataelementwidth</size>
        <location>top</location>
        <UIConstraints visible=true enabled=true />
      </button>
    </controls>
    <icon>
      <Rectangle w=10 h=10 />
    </icon>
  </dataelement>
  <globalcontrols />
</outputwindow>
```

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